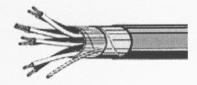**Specification**
HW109

Printable Version(p

Instrumentation Cable

600 Volt UL Type TC, 90°C
Multiple Conductor
Overall Shield
FR-EP Insulation
CPE Jacket
Copper Conductors

Catalog Number	Size AWG/kcmil	No. of Conductors	Overall Diameter Inch	Net Weight Lbs/Mft	Insulation Thickness Mils	Jacket Thickness Mils	
HW109 01602	16	2	0.32	52	25	45	Add to Quote
HW109 01603	16	3	0.34	66	25	45	Add to Cart
HW109 01604	16	4	0.37	80	25	45	Add to Cart
HW109 01802	18	2	0.3	42	25	45	Add to Cart
HW109 01803	18	3	0.31	53	25	45	Add to Cart

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Application:
Superior flame-retardant cable for use in instrumenta-tion and process control applications in caustic envi-ronments where protection from electrostatic interfer-ence is required. NEC listed as Type TC and ap-proved for installation indoors or outdoors, aerially, in conduits, ducts, cable tra and direct burial in circuits not exceeding 600 volts. May be installed at tempera-tures as low as -35°C and used in NEC Class 1, Division 2 hazardous locations. NEC approved for continuous operation at 90°C in wet and dry locations, 130°C for emergency overload conditions, and 250°C for short circuit conditions.

Conductors:
7-strand tin-coated, soft annealed copper per ASTM B-33, Class B stranding per ASTM B-8.

Insulation:
Flame-retardant ethylene propylene rubber (FR-EP) per ICEA S-82-552.

Overall Shield:
Aluminum-polymer tape providing 100% coverage with a flexible 7-strand tinned copper drain wire.

Jacket:
Sunlight-resistant chlorinated polyethylene (CPE) per ICEA S-82-552 and UL Standard 1277. A ripcord is applied longitudinally under the jacket to facilitate stripping.

Flame Tests:

- IEEE 383 70,000 BTU/hr flame test
- IEEE 1202 70,000 BTU/hr
- UL 1277 70,000 BTU/hr flame test
- ICEA T-29-520 210,000 BTU/hr flame test
- CSA FT4 flame test

Color Code:

- ICEA Method 1, Table E-2
- ICEA Method 1, Table E-1 available upon request

Option:
- Aluminum Interlocked Armor

Additional Standards:

- NEC Type per Articles 336, 392 and 501, and for Class 1 circuits per NEC Article 725
- NEMA WC-55

Keyword Search:

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When searching for a specific part number please use the first five digits, known as the Specificatio Number. For example when searching for part number HW300 01410 use HW300.

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